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Response under 37 CFR 1.116
Expedited Procedure
Examining Group 1636

Attorney Docket No.: 5563.210-US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Royer *et al.*

Serial No.: 09/710,760

Group Art Unit: 1636

Filed: November 10, 2000

Examiner: Gansheroff, L.

For: Methods For Producing Heterologous Polypeptides In Trichothecene-Deficient Filamentous Fungal Mutant Cells

AMENDMENT

Commissioner for Patents
Washington, DC 20231

Sir:

In response to the Office Action dated December 31, 2001, please amend the above-captioned application as follows:

IN THE CLAIMS

Please cancel claims 79-89 without prejudice or disclaimer. Please add new claims 90-102 as follows:

-
90. An isolated trichodiene synthase comprising the amino acid sequence of SEQ ID NO:2.
91. The trichodiene synthase of claim 90, consisting of the amino acid sequence of SEQ ID NO:2.
92. The trichodiene synthase of claim 90, which is obtained from a *Fusarium* strain.
93. The trichodiene synthase of claim 92, wherein the *Fusarium* strain is a *Fusarium venenatum* strain.
94. The trichodiene synthase of claim 93, wherein the *Fusarium venenatum* strain is *Fusarium venenatum*